

Claims

What is claimed is:

- 5 1. A method of configuring the use of a compression method in a packet-switched mobile system comprising a terminal for which characteristics parameters are specified comprising at least the compression methods supported by the terminal, and a radio network, in which a functional entity is configured for configuring a compression method to a radio bearer, the method
 - 10 comprising
 - configuring the use of a compression method on simultaneous radio bearers of the terminal in said functional entity on the basis of the characteristics parameters transmitted by the terminal,
 - updating, by the user of the terminal, the parameters specifying the
 - 15 compression methods of the terminal in the terminal,
 - modifying the characteristics parameters of the terminal in accordance with said update,
 - transmitting the modified characteristics parameters to said functional entity comprised by the radio network, and
 - 20 configuring the use of a compression method for each simultaneous radio bearer on the basis of the modified characteristics parameters.
 2. A method as claimed in claim 1, further comprising
 - transmitting the modified characteristics parameters to said functional entity comprised by the radio network before a radio bearer is established.
 - 25 3. A method as claimed in claim 1, further comprising
 - transmitting the modified characteristics parameters to said functional entity comprised by the radio network during an established radio bearer, and
 - 30 reconfiguring the use of the compression methods of the simultaneous radio bearers of the terminal on the basis of the modified characteristics parameters without releasing the radio bearers.
 - 35 4. A method as claimed in claim 1, wherein

said packet-switched mobile system being the UMTS system and said functional entity of the radio network for specifying a compression method for a radio bearer comprising a radio resource control protocol.

5 5. A method as claimed in claim 4, wherein
the message specifying the characteristics parameters being an
UE_capability_information message comprising at least a selection parameter
for the header field compression method for data packets supported by the
convergence protocol of the terminal.

10 6. A method as claimed in claim 4, wherein
the message specifying the characteristics parameters is an
UE_capability_information message comprising at least a selection parameter
for the user data compression method for data packets supported by the con-
15 vergence protocol of the terminal.

 7. A terminal of a mobile communication system, the terminal com-
prising means for the user of the terminal to update the parameters specifying
the compression methods of the terminal in the terminal and for which terminal
20 characteristics parameters are specified that comprise at least the compres-
sion methods supported by the terminal, the terminal being arranged to
modify the characteristics parameters of the terminal in accordance
with said update,
transmit the modified characteristics parameters to the radio net-
25 work of the mobile communication system, and
receive from the radio network the settings of the use of a compres-
sion method on each simultaneous radio bearer of the terminal specified on
the basis of said modified characteristics parameters.

30 8. A terminal as claimed in claim 7, wherein
the terminal is arranged to transmit the modified characteristics pa-
rameters to the radio network before the radio bearer is established.

 9. A terminal as claimed in claim 7, wherein the terminal is arranged
35 to
transmit the modified characteristics parameters to the radio net-

work during an established radio bearer,

receive new settings for the use of a compression method specified in the radio network on the basis of the modified characteristics parameters, and

5 reconfigure the settings of the use of the compression methods of the simultaneous radio bearers of the terminal without releasing the radio bearers.

10. A terminal as claimed in claim 7, wherein

10 the terminal is a terminal supporting at least the UMTS system, the message specifying the characteristics parameters to the radio network being an UE_capability_information message comprising at least a selection parameter for the header field compression method for data packets supported by the convergence protocol of the terminal.

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